

SURVEYING SYSTEM

ABSTRACT OF THE DISCLOSURE

5 An automatic surveying system is provided that
comprises a surveying device, a collinear-line
calculating processor, a sighting direction control
processor, and an object-point searching processor. The
collinear line calculating processor obtains a collinear
10 line for an arbitrarily designated point on a schematic
image of which the positional relation to the surveying
device is known. The sighting direction control
processor controls the surveying device to sight along
the collinear line. The object point searching processor
15 searches for an object point where the position of the
object point can be determined as a point on the
collinear line. This is executed by measuring the
sighting direction with the surveying device while
carrying out the sighting direction control process.
20 Further, a position obtained by the object point
searching processor coincides with an object point that
corresponds to the designated point.